

This document contains the research plan for the ONS Energy Data Visibility discovery. It sets out:

- what we'd like to learn
- what research method we'll use
- why it's important
- who the participants will be
- the confidence we have in the insights/needs for that area

What	When	How	Why	With who?	Confidence level
Understand how data is currently being used and shared within the business	Research begins w/c 17/04/20	Remote in-depth interviews	We need to understand the current landscape of how data is being used within an organisation, in order to get a view of the differences in organisations internally.	Data providers	
Understand how the business is currently working towards making data open as part of their modernising energy data strategy	Research begins w/c 17/04/20	Remote in-depth interviews	To understand if people are already working towards open data, or not and why.	Data providers	
Understand if meta-data standards are being used and more about this	Research begins w/c 17/04/20	Remote in-depth interviews	Explore their understanding of meta-data and understand whether a standard is already being used internally.	Data providers	
Understand whether there is appetite in the industry to use a shared standard	Research begins w/c 17/04/20	Remote in-depth interviews	Explore if they would want to see standardisation across the sector and if they are technically able to do this.	Data providers	
Understand what would motivate organisations and the industry as	Research begins w/c	Remote in-depth	To begin to unpick and understand the things that could	Data providers	

a whole to share openly	17/04/20	interviews	be implemented in order to enable data sharing.		
Understand what providers perceive the benefits (if any) to be of sharing data to consumers	Research begins w/c 17/04/20	Remote in-depth interviews	To understand if providers feel they would benefit from data sharing and if so, how. To explore their appetite for sharing in order to encourage others to share. To try and identify the innovators and early adopters of data sharing in the UK energy sector.	Data providers	
Explore whether incentivising the industry will have an impact	Research begins w/c 17/04/20	Remote in-depth interviews	We need to understand whether incentives would be beneficial in this sector to understand if they would work and how they would be implemented.	Data providers	
Understand any financial constraints to sharing and making data open	Research begins w/c 17/04/20	Remote in-depth interviews	To understand if the organisation has the budget to invest in data.	Data providers	
Explore whether regulation is the only things that will make businesses provide data	Research begins w/c 17/04/20	Remote in-depth interviews	To understand if other methods will not work and therefore regulation is the only option. To also understand feelings towards regulation.	Data providers	
Understand any technical constraints to sharing/what systems do companies use	Research begins w/c 17/04/20	Remote in-depth interviews	To allow the team to consider how technical constraints are impacting organisations and their ability to share data.	Data providers	
Understand perceived risks around sharing	Research begins w/c	Remote in-depth		Data providers	

	17/04/20	interviews			
Understand the costs and benefits to different parties given these are distributed unevenly across many organisations	Research begins w/c 17/04/20	Remote in-depth interviews	We need to understand from different perspectives what will make data sharing worthwhile, especially if some will gain more from data being open than others. What are the fears people have around this vs. what opportunities can other people see?	Data providers / Consumers	
Understand what pain points consumers currently experience when trying to access data	Research begins w/c 17/04/20	Remote in-depth interviews	Identify pain points and explore what would need to happen to solve these Ascertain user's mental models for understanding energy data	Consumers	
Explore awareness of existing catalogs and understand if these are meeting the users needs	Survey sent w/c 20/04/20	Survey / Remote in-depth interview	To understand if people are aware of catalogs that are already available to them. Understand if they use the catalog and what they use it for. Or alternatively why they don't use it is it due to catalogue (e.g. https://ukerc.rl.ac.uk/DC/index.html) or something else.	Data providers / Consumers	
Understand how ONS are viewed by the UK energy industry.	Survey sent w/c 20/04/20	Survey	To understand whether ONS is viewed as an impartial and trusted party to help increase data sharing in the industry.	Data providers / Consumers	
Test whether a new data catalog is perceived to be the right thing	Survey sent w/c 20/04/20	Survey	To explore at the end of sessions with people if they feel the data catalog is the right solution to	Data providers / Consumers	

			solve the problem of lack of data visibility.		
Understand how people define the terms 'Understandable' 'Discoverable' and 'Searchable'	Survey sent w/c 20/04/20	Survey	To explore the meanings of these terms in order to help us define and align the terms.	Data providers / Consumers	